

NWS Form E-5 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE <b>MONTHLY REPORT OF          RIVER AND FLOOD CONDITIONS</b>	<b>HYDROLOGIC SERVICE AREA:</b> <b>Pocatello, Idaho</b>
	<b>REPORT FOR:</b> <b>MONTH: July YEAR: 2007</b>
<b>TO:</b> Hydrologic Operations Division, W/OH2 National Weather Service National Oceanic and Atmospheric Administration Silver Spring, Maryland 20910	<b>SIGNATURE</b>  Sherrie Hebert Service Hydrologist
	<b>DATE:</b> August 8, 2007
When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (NWS Instruction 10-924).	

	<b>An X in this box indicates that no flooding has occurred for the month within this hydrologic service area.</b>
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July was hot! The Pocatello Regional Airport recorded its warmest month ever in July at 75.2°F while numerous records were set across the region. A reprieve from the heat did come with the arrival of the Monsoon season, which brought some flash flooding to the Pocatello Hydrologic Service Area (HSA). The most severe flash flooding occurred in Custer County on July 17 when rainfall rates of 1.0 inch in 30 minutes and greater poured over dry soils. The flooding caused Idaho State Highway 17 to close temporarily due to three separate mudslides. Culverts are in place along Highway 17 to handle minor flash floods; however, this particular storm exceeded the culvert capacities. No injuries or property damage were reported.

**Other Hydrologic Interests**

**Precipitation**

Precipitation was hit and miss across the Pocatello HSA in July. The entire HSA received an average of 60% of normal precipitation in June for 36 of 43 reporting stations with climate data, according to Western Region Climate Center data. Only five stations received greater-than-normal amounts: Challis ASOS at 162%, Driggs at 143%, Aberdeen at 133%, Burley at 111% and Idaho Falls with 109%. In contrast, nearly one third of the stations received less than 25% of normal, with monthly low precipitation records tied at three stations: Ashton tied the record set in 1959, Picabo tied 1958 record and Shoshone tied the 1933 record.

**River Levels & Snowpack**

River levels across the Pocatello HSA are less than 50% of normal with a number in the eastern part of the state and Central Mountains less than 10%.

## Reservoirs

The Upper Snake River reservoir system is at 33% of capacity<sup>1</sup>, down 26% from July 5, 2007<sup>2</sup>.

Reservoir	% Capacity June 30 <sup>3</sup>	% Capacity July 31 <sup>4</sup>	Percent Change	% of Average <sup>4</sup>	% of Last Year <sup>4</sup>
American Falls	51	22	-29	36	45
Bear Lake	46	34	-12	46	83
Blackfoot	47	32	-15	46	62
Henry's Lake	95	88	-7	95	93
Island Park	74	41	-33	54	53
Little Wood	93	14	-79	26	21
Mackay	65	30	-35	53	39
Magic	50	23	-27	37	27
Oakley	47	38	-9	93	61
Palisades	59	31	-28	38	40
Ririe	75	69	-6	83	26
Lake Walcott	101 <sup>2</sup>	101 <sup>1</sup>	0	n/a	n/a
Milner	97 <sup>2</sup>	99 <sup>1</sup>	-2	n/a	n/a

Source: (1) US Bureau of Reclamation (BOR), August 7, 2007; (2) BOR, July 5, 2007; (3) NRCS, June 30, 2007; (4) NRCS, July 31, 2007.

## Drought

All of Eastern Idaho deteriorated to D2, "Severe", on the Drought Monitor by the end of July due to the dry winter and reservoir storage declining at a rapid rate. Emergency drought declarations were issued in five more Idaho counties in July, all of which are in the Pocatello HSA. The comprehensive list follows. Note that 15 of the 16 counties are in Pocatello's HSA, with the exception being Lemhi County. Only Cassia and Power counties remain outside the declarations.

County/Area	Date Declared
Oneida County	July 24, 2007
Minidoka County	July 18, 2007
Caribou County	July 12, 2007
Bonneville County	July 10, 2007
Bannock County	July 10, 2007
Bingham County	June 29, 2007
Jefferson County	June 29, 2007
Lincoln County	June 29, 2007
Madison County	June 29, 2007
Teton County	June 13, 2007
Blaine County	June 6, 2007
Fremont County	May 29, 2007
Lemhi County	May 15, 2007
Clark County	May 15, 2007
Custer County	March 15, 2007
Butte County	March 12, 2007

## July 2007 Hydrologic Product Summary

The following hydrologic products were issued in July.

<b>Product</b>	<b>Number Issued</b>
Flash Flood Warning	4
Flash Flood Statement	6
Flood Watch for Flash Flooding	0
Flood Warning	0
Flood Statement	0
Flood Watch for Flooding	0
Urban and/or Small Stream Flood Advisory	2
Hydrologic Outlook	0
Hydrologic Statement	0
NOW or Special Weather Statement (with information related to flooding)	0

cc: Daniel Matusiewicz, Western Region WFO Hydrology Program Manager  
Harold Opitz, Hydrologist in Charge, Northwest River Forecast Center  
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Drought Monitor Mailing List  
Pocatello WFO Forecasters and HMTs